

Message Text

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PAGE 01 STATE 085963
ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 OES-06 L-03 ACDA-10 CIAE-00
INR-07 IO-13 NSAE-00 NSC-05 EB-08 NRC-07 DODE-00
FEA-01 /080 R

DRAFTED BY USERDA:DMFE:RLBINGHAM
APPROVED BY OES/APT/SEP:RGMORRIS
USERDA:AIA:BDHILL
OES/APT/SEP:ASHELDON
EUR/SOV:SHUMPHREY (SUBS)
-----161621Z 106351 /40
R 160149Z APR 77
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

UNCLAS STATE 085963

E.O. 11652: N/A

TAGS: US,UR,TECH,TGEN,ENRG REF: STATE 47105

SUBJECT:US-USSR ATOMIC ENERGY AGREEMENT: (07.0301)
CONCEPTUAL DESIGN OF INJECTOR WITH NEGATIVE ION
--BEAMS (NO. 21)

1. PLEASE DELIVER FOLLOWING MESSAGE TO G. A. ELISEEV,
(KURCHATOV INSTITUTE) AND D. F. KHOKHLOVA (SCAE).

2. 07.0301 - 12 APRIL 1977

DR. G. A. ELISEEV
STATE COMMITTEE FOR THE UTILIZATION
--OF ATOMIC ENERGY
KURCHATOV INSTITUTE OF ATOMIC ENERGY
46 ULITSA KURCHATOVA
MOSCOW, USSR
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DEAR YURI:

SUBJECT: CONCEPTUAL DESIGN OF INJECTOR WITH NEGATIVE
ION BEAMS (NO. 21)

THIS MESSAGE IS TO CONFIRM THE U. S. PARTICIPATION IN THIS

EXCHANGE AS WE UNDERSTAND IT.

S. PARTICIPANTS

-----JACK W. BEAL, ERDA
-----THEODORUS J. M. SLUYTERS, BNL
-----JOHN R. HISKES, LLL
-----EDWIN B. HOOPER, JR., LLL
-----GERD (NMN) SCHILLING, ORNL

DATE OF WORKING EXCHANGE

-----MAY 30-JUNE 10

PLACES TO BE VISITED

-----KURCHATOV ATOMIC ENERGY INSTITUTE
-----EFREMOV SCIENTIFIC RESEARCH INSTITUTE
-----IOFFE PHYSICO - TECHNICAL INSTITUTE
-----INSTITUTE FOR NUCLEAR PHYSICS AT NOVOSIBIRSK

SUBJECTS TO BE DISCUSSED

-----1. COMPARISON OF DIRECT EXTRACTION VERSUS DOUBLE
CHARGE EXCHANGE SOURCES OF H AND D
-----2. NEGATIVE ION PRODUCTION FROM CESIUM LOADED
SURFACE, PLASMA, PENNING, AND DUOPLASMATION SOURCES
-----3. THEORY AND EXPERIMENTS ON NEGATIVE ION FORMATION
FROM ALKALI COATED SURFACES
-----4. ACCELERATION OF NEGATIVE ION BEAMS
-----5. SPACE-CHARGE NEUTRALIZATION AND TRANSPORT OF
NEGATIVE ION BEAMS
-----6. NEUTRALIZATION OF HIGH-ENERGY NEGATIVE ION BEAMS
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VIA PLASMAS, GAS TARGETS, ETC.

-----7. CONCEPTUAL DESIGN OF HIGH ENERGY NEGATIVE ION
NEUTRAL BEAM SYSTEM FOR ADVANCED FUSION REACTOR APPLICATIONS

DATE OF ARRIVAL AND FLIGHT NUMBERS WILL BE SUPPLIED AT A
LATER DATE.

PLEASE SEND APPROPRIATE VISA AUTHORIZATIONS TO THE SOVIET
CONSULATE IN WASHINGTON.

BEST REGARDS,

ROBERT L. BINGHAM
COORDINATOR FOR PLANS
DIVISION OF MAGNETIC FUSION ENERGY

CC: DR. D. F. KHOKHLOVA
CHRISTOPHER

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: AGREEMENTS, SCIENTIFIC COOPERATION, NUCLEAR ENERGY, PUBLIC CORRESPONDENCE
Control Number: n/a
Copy: SINGLE
Sent Date: 16-Apr-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE085963
Document Source: CORE
Document Unique ID: 00
Drafter: DMFE:RLBINGHAM
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770133-0372
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770449/aaaabqvj.tel
Line Count: 115
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: bbd7cba3-c288-dd11-92da-001cc4696bcc
Office: ORIGIN ERDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 19-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2783433
Secure: OPEN
Status: NATIVE
Subject: US-USSR ATOMIC ENERGY AGREEMENT: (07.0301) CONCEPTUAL DESIGN OF INJECTOR WITH NEGATIVE ION --BEAMS (NO. 21)
TAGS: TECH, TGEN, ENRG, US, UR
To: MOSCOW
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/bbd7cba3-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009